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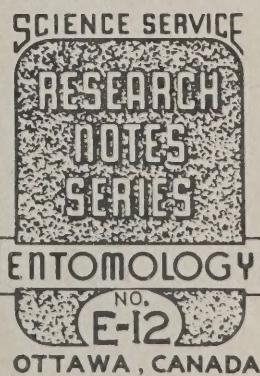
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LIST OF INSECTS AND MITES AFFECTING  
TREE FRUITS IN CANADA

COMPILED BY

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ENTOMOLOGY DIVISION, OTTAWA

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## INTRODUCTION

This list of insects and mites affecting tree fruits in Canada indicates the provinces in which the various species have been found since the laboratories concerned were established.

"x" indicates the province or provinces in which the insect or mite has been reported by officers of fruit insect laboratories of the Entomology Division as having, at least on occasion, caused appreciable damage.

"#" indicates the province or provinces in which the species has been recorded but not as a pest, mainly for the following reasons: the host is either not grown or is grown in small numbers only; the population of the species is restricted by natural control factors; the species occurs entirely or mainly on wild hosts.

Under each host the pests are arranged alphabetically by genera or group common names, first the insects and then the mites. As mites have not been studied nearly as widely as insects in Canada, this part of the record is probably less adequately covered. However, the principal pest species of each host are listed.

We gratefully acknowledge the co-operation of officers of the Entomology Division engaged in fruit insect work, especially Mr. W. A. Ross, head of the Fruit Insect Unit until his recent retirement, and the officers in charge of the various laboratories. The information that they supplied provided a basis which, supplemented by data from the Canadian Insect Pest Record, made this compilation possible.

PESTS OF APPLE

| Insect  | B.C. | Alta. | Sask. | Man. | Ont. | Que. | N.B. | N.S. | P.E.I. | Nfld. |
|---|------|-------|-------|------|------|------|------|------|--------|-------|
| <u>Acrobasis</u> (prev. <u>Mineola</u> )<br><u>indigenella</u> (Zell.)<br>leaf crumpler |      |       |       |      |      |      |      |      | x      |       |
| <u>A.</u> <u>tricolorella</u> Grt.<br>a pyralid   | x    |       |       |      |      |      |      |      |        |       |
| <u>Acrosternum hilare</u> (Say)<br>green stink bug                                      |      |       |       |      | x    | x    | x    | x    | x      | x     |
| <u>Alsophila pometaria</u> (Harr.)<br>fall cankerworm                                   |      | #     | x     | x    | x    | x    | x    | x    | x      | x     |
| <u>Ametastegia glabrata</u> (Fall.)<br>dock sawfly                                      | #    | #     |       |      | x    |      |      | x    |        | #     |
| <u>Amorbia humerosana</u> Clem.<br>dusky leaf roller                                    |      |       |       |      | x    |      |      |      |        |       |
| <u>Amphicerus bicaudatus</u> (Say)<br>apple twig borer                                  | #    |       |       | #    | x    |      |      |      |        |       |
| <u>A. hamatus</u> (F.)<br>a bostrichid  |      |       |       | x    |      |      |      |      |        |       |
| <u>Anchylopera nubeculana</u> Clem.<br>a leaf sewer                                     |      |       |       |      | #    |      | #    | x    |        |       |
| <u>Anthophila pariana</u> (Clerck)<br>apple and thorn skeletonizer                      | x    |       |       |      | x    | #    | x    | x    |        | x     |
| <u>Anuraphis bakeri</u> (Cowen)<br>clover aphid   | x    |       |       |      | #    |      |      | x    |        |       |
| <u>A. roseus</u> Baker<br>rosy apple aphid  | x    |       |       |      | x    | x    | #    | x    |        | x     |
| <u>Aphis pomi</u> DeG.<br>"green" apple aphid   | x    |       |       | #    | x    | x    | x    | x    |        | x     |
| <u>Archips argyrospilus</u> (Wlk.)<br>fruit tree leaf roller                            | x    | #     |       |      | x    | x    | x    | x    |        |       |

## PESTS OF APPLE

| Insect   | B.C.           | Alta. | Sask. | Man. | Ont. | Que. | N.B. | N.S. | P.E.I. | Nfld. |
|--|----------------|-------|-------|------|------|------|------|------|--------|-------|
| <u>A. cerasivoranus</u> (Fitch)<br>ugly-nest caterpillar       | #              | #     | #     | #    | #    | #    | x    | #    | #      |       |
| <u>A. fractivittanus</u> (Clem.)<br>a leaf roller              |                |       |       |      | x    |      |      |      |        |       |
| <u>A. persicanus</u> (Fitch)<br>white-triangle leaf roller     |                |       |       |      | x    | #    | x    | x    |        |       |
| <u>A. purpuranus</u> (Clem.)<br>a leaf roller                  |                |       |       |      | x    | x    |      |      | #      |       |
| <u>A. rosaceanus</u> (Harr.)<br>oblique-banded leaf roller     | x              | #     | #     | #    | x    | #    | x    | x    |        |       |
| <u>A. rosanus</u> (L.)<br>European leaf roller                 | x <sup>o</sup> |       |       |      | #    |      |      | #    | #      |       |
| <u>A. semiferanus</u> (Wlk.)<br>a boxelder leaf roller         |                |       |       | #    | x    | #    |      |      |        |       |
| <u>Argyresthia conjugella</u> Zell.<br>apple fruit moth        | x              |       |       |      |      |      |      |      |        |       |
| <u>Argyrotaenia mariana</u> (Fern.)<br>gray-banded leaf roller |                |       |       |      | #    | #    | x    | x    |        | x     |
| <u>A. quadrifasciana</u> (Fern.)<br>a four-lined leaf roller   |                |       |       |      | x    |      |      |      | #      |       |
| <u>A. velutinana</u> (Wlk.)<br>red-banded leaf roller          |                |       |       |      | x    | x    |      |      | x      |       |
| <u>Aspidiottus ostreaeformis</u> Curt.<br>European fruit scale | x              |       |       |      | x    | #    |      | x    |        | #     |
| <u>A. perniciosus</u> Comst.<br>San Jose scale                 | x              |       |       |      | x    | x    |      |      | #      |       |

<sup>o</sup> Vancouver Island only.

PESTS OF APPLE

| Insect  | B. C. | Alta. | Sask. | Man. | Ont. | Que. | N. B. | N. S. | P. E. I. | Nfld. |
|---|-------|-------|-------|------|------|------|-------|-------|----------|-------|
| <u>Badebecia urticana</u> (Hbn.)<br>(= <u>Olethreutes campestrana</u> Zell.)<br>a leaf roller | x     |       |       |      |      |      |       |       |          |       |
| <u>Basilarchia lorquini</u> (Bdv.)<br>a nymphalid   | x     |       | x     |      |      |      |       |       |          |       |
| <u>Biston</u> (prev. <u>Amphidasis</u> )<br><u>cognataria</u> (Guen.)<br>pepper and salt moth |       |       | x     |      |      |      |       |       | #        |       |
| <u>Brachyrhinus singularis</u> (L.)<br>a clay-colored weevil                                  | x°    |       |       |      | #    | #    | #     | #     |          |       |
| <u>Bucculatrix pomifoliella</u> Clem.<br>a ribbed cocoon maker                                |       |       | x     |      | x    | #    |       |       | x        |       |
| <u>Callisto</u> (prev. <u>Ornix</u> )<br><u>geminatella</u> (Pack.)<br>a tentiform leaf miner |       |       |       | x    |      |      |       |       |          |       |
| <u>Campylomma verbasci</u> (Mey.)<br>a mullein leaf bug                                       |       |       |       | x    |      |      |       | x     |          |       |
| <u>Carpocapsa pomonella</u> (L.)<br>codling moth  | x     |       |       | x    | x    | x    | x     | x     | x        | x     |
| <u>Cercopeus artemisiae</u> Pierce<br>a weevil  | x     |       |       |      |      |      |       |       |          |       |
| <u>Chalcoïdes helxines</u> (L.)<br>a flea beetle  |       |       |       | x    |      | #    |       |       |          |       |
| <u>Chionaspis furfura</u> (Fitch)<br>scurfy scale   | #°    |       |       | x    | x    | x    |       |       | x        |       |
| <u>Chrysobothris femorata</u> (Oliv.)<br>flatheaded apple tree borer                          | #     |       |       | x    | x    | x    |       |       |          |       |

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PESTS OF APPLE

| Insect   | B. C.           | Alta. | Sask. | Man. | Ont. | Que. | N. B. | N. S. | P. E. I. | Nfld. |
|--|-----------------|-------|-------|------|------|------|-------|-------|----------|-------|
| Cicadas, various species   | x               |       |       |      | #    | #    | x     | #     |          |       |
| <u>Coleophora anatipennella</u> (Hbn.)<br>(= <u>C. atlantica</u> Heinr.)<br>a casebearer                           |                 |       |       |      |      |      |       | x     |          |       |
| <u>C. malivorella</u> Riley<br>pistol casebearer   | x <sup>oo</sup> |       |       |      | x    | x    | x     | #     | x        |       |
| <u>C. serratella</u> (L.)<br>(= <u>C. cerasivorella</u> Pack.<br>= <u>C. occidentis</u> Zell.)<br>cigar casebearer | x               |       |       |      | x    | x    | x     | x     | x        |       |
| <u>C. pruniella</u> Clem.<br>cherry casebearer   | x               |       | #     | #    | #    | x    |       | x     |          |       |
| <u>Colladonus</u> (prev. <u>Thamnotettix</u> )<br><u>montanus</u> (Van D.)<br>a leafhopper                         | x               |       |       |      |      |      |       |       |          |       |
| <u>Conotrachelus nenuphar</u> (Hbst.)<br>plum curculio   |                 |       | #     | #    | x    | x    | x     | #     | x        |       |
| Cutworms, various species  |                 |       |       |      | x    |      |       |       |          |       |
| <u>Cyphoderris monstrosa</u> Uhl.<br>a cricket   | x               |       |       |      |      |      |       |       |          |       |
| <u>Datana ministra</u> (Drury)<br>yellow-necked caterpillar  | x               |       |       | x    | x    | x    | x     | x     | x        |       |
| <u>Deuteronomos magnarius</u> (Gn.)<br>a geometrid   | x               | x     |       |      |      |      |       |       |          |       |
| <u>Dichomeris ligulella</u> Hbn.<br>palmerworm   |                 |       |       | x    | x    |      |       |       |          |       |

<sup>oo</sup> Coastal area only.

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| Insect   | B. C.           | Alta. | Sask. | Man. | Ont. | Que. | N. B. | N. S. | P. E. I. | Nfld. |
|--|-----------------|-------|-------|------|------|------|-------|-------|----------|-------|
| <u>Diplotaxis tenebrosa</u> Fall<br>a scarabaeid   | x               |       |       |      |      |      |       |       |          |       |
| <u>Edwardsiana australis</u> (Frogg.)<br>(= <u>Typhlocyba frogatti</u> Baker)<br>an apple leafhopper |                 |       |       |      | x    |      |       |       |          |       |
| <u>E. rosae</u> (L.)<br>rose leafhopper  | x               |       |       |      | x    |      | x     | x     | #        |       |
| <u>Empoasca fabae</u> (Harr.)<br>potato leafhopper   | #               | #     | #     | x    | x    | #    | x     | #     | #        | x     |
| <u>E. maligna</u> (Walsh)<br>apple leafhopper  | x               | *     |       | x    | x    | x    | x     | x     | x        |       |
| <u>Empoasca</u> spp.<br>leafhoppers  |                 |       |       |      |      | x    | x     |       |          | x     |
| <u>Epicallima dimidiella</u> Wlshm.<br>a gray apple bark caterpillar                                 | x               |       |       |      |      |      |       |       |          |       |
| <u>Erannis vancouverensis</u> Hbst.<br>a geometrid   | x               |       |       |      |      |      |       |       |          |       |
| <u>Eriosoma lanigerum</u> (Hausm.)<br>woolly apple aphid   | x               | #     |       |      | x    | x    | x     |       | x        |       |
| <u>Estigmene acrea</u> (Drury)<br>salt-marsh caterpillar   | x               |       |       |      |      | #    |       |       |          |       |
| <u>Euzophera semifuneralis</u> (Wlk.)<br>American plum borer   |                 |       |       |      |      | x    |       |       |          |       |
| <u>Forficula auricularia</u> L.<br>European earwig   | x <sup>oo</sup> | #     |       |      | #    | #    | #     |       | #        | x     |

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|---|----------------|-------|-------|------|------|------|------|------|--------|-------|
| <u>Frankliniella occidentalis</u> (Perg.) x<br>a western thrips                         |                |       | #     |      |      |      |      |      |        |       |
| <u>Frankliniella</u> sp.<br>thrips  | x              |       |       |      |      |      |      |      |        |       |
| <u>Glossonotus crataegi</u> (Fitch)<br>quince treehopper                                |                |       |       |      |      |      |      |      | x      |       |
| <u>Glyposcelis pubescens</u> (F.)<br>a chrysomelid                                      | x              |       |       |      |      |      |      |      |        |       |
| <u>Grapholita molesta</u> (Busck)<br>oriental fruit moth                                |                |       |       |      | x    |      |      |      |        |       |
| <u>G. prunivora</u> (Walsh)<br>lesser appleworm   | x              |       |       |      | x    | x    | #    | #    | x      |       |
| Grasshoppers, various species   | x              |       |       |      |      |      |      |      |        |       |
| <u>Hedia chionosema</u> Zell.<br>a leaf roller  |                |       |       |      | x    |      |      |      |        |       |
| <u>H. ochroleucana</u> (Hbn.)<br>(= <u>Argyroploce nimbata</u> Clem.)<br>an olethreutid | x              |       |       |      |      |      |      |      |        |       |
| <u>H. variegana</u> (Hbn.)<br>green budworm   |                |       |       |      |      |      |      | x    |        | #     |
| <u>Heterocordylus malinus</u> Reut.<br>a plant bug                                      |                |       |       |      | x    |      |      |      |        |       |
| <u>Hoplocampa testudinea</u> (Klug)<br>European apple sawfly                            | x <sup>o</sup> |       | #     |      |      |      |      |      |        |       |
| <u>Hyphantria cunea</u> (Drury)<br>fall webworm   | x              | #     |       |      | x    | x    | x    | x    | x      | x     |

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PESTS OF APPLE

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|---|-----------------|-------|-------|------|------|------|-------|-------|----------|-------|
| <u>Idiocerus fitchi</u> Van D.<br>a leafhopper  |                 |       |       |      | x    |      |       |       |          |       |
| <u>Incisalia iroides</u> (Bdv.)<br>a lycaenid   | x               |       |       |      |      |      |       |       |          |       |
| <u>Lecanium corni</u> Bouché<br>European fruit lecanium                                     | x <sup>oo</sup> |       |       |      | x    |      | x     | x     |          |       |
| <u>Lecanium</u> spp.<br>soft scales   | x               |       |       |      |      |      |       |       |          |       |
| <u>Lepidosaphes ulmi</u> (L.)<br>oystershell scale  | x               | #     |       | #    | x    | x    | x     | x     | x        |       |
| <u>Liocoris</u> (= <u>Lygus</u> ) <u>lineolaris</u><br>tarnished plant bug (Beauv.)         | x               | #     | #     | #    | x    | x    | x     | x     | x        | x     |
| <u>Liocoris</u> spp.<br>"lygus" bugs  | x               |       |       |      |      |      |       |       |          | x     |
| <u>Liriomyza pusilla</u> (Meig.)<br>serpentine leaf miner                                   |                 |       |       |      | x    |      |       |       |          |       |
| <u>Lithocolletis crataegella</u> Clem.<br>a tentiform leaf miner                            |                 |       |       |      | x    |      |       |       | #        |       |
| <u>L. malimalifoliella</u> Braun<br>a leaf miner  |                 |       |       |      |      |      |       |       | x        |       |
| <u>Lithocolletis</u> spp.<br>leaf miners  |                 |       |       |      | x    | x    |       |       |          |       |
| <u>Lithophane</u> (prev. <u>Graptolitha</u> )<br><u>antennata</u> (Wlk.)<br>green fruitworm | x <sup>oo</sup> |       |       |      | x    | #    | #     |       | x        |       |

<sup>oo</sup> Coastal area only.

PESTS OF APPLE

| Insect   | B. C. | Alta. | Sask. | Man. | Ont. | Que. | N. B. | N. S. | P. E. I. | Nfld. |
|--|-------|-------|-------|------|------|------|-------|-------|----------|-------|
| <u>L. bethunei</u> (G. & R.)<br>a fruitworm                              |       |       |       |      |      | #    | #     | x     | x        |       |
| <u>L. disposita</u> Morr.  |       |       |       |      |      |      |       |       | #        |       |
| <u>L. ferrealis</u> Grt.   |       |       |       |      | #    | #    |       | x     |          |       |
| <u>L. georgii</u> Grt.   | #     |       | x     |      |      |      | #     | x     |          |       |
| <u>L. pexata</u> Grt.  |       |       | x     |      | ..   |      |       |       | #        |       |
| <u>L. torrida</u> (Sm.)  | x     |       |       |      |      |      |       |       |          |       |
| <u>L. unimoda</u> (Lint.)  |       |       |       |      | #    | #    |       | x     |          |       |
| <u>Lithophane</u> spp.<br>fruitworms                                     | #     |       |       |      | #    | x    | x     |       | #        |       |
| <u>Lygidea mendax</u> Reut.<br>apple red bug                             |       |       |       |      | x    |      |       |       | x        |       |
| <u>Lygus</u> ( <u>Neolygus</u> ) <u>communis</u> Kngt.<br>pear plant bug |       |       |       |      | x    |      |       |       |          |       |
| <u>L. communis novascotiensis</u> Kngt.<br>a green apple bug             |       |       |       |      |      |      | x     |       | x        |       |
| <u>Lyonetia speculella</u> Clem.<br>a leaf miner                         | x     |       |       |      |      |      |       |       |          |       |
| <u>Macrodactylus subspinosus</u> (F.)<br>rose chafer                     |       |       |       |      | x    | x    |       |       |          |       |
| <u>Magdalis aenescens</u> Lec.<br>bronze apple tree weevil               | x     |       |       |      |      |      |       |       |          |       |
| <u>Malacosoma americanum</u> (F.)<br>eastern tent caterpillar            | #     | x     | #     | x    | x    | x    | x     | x     | x        | x     |

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| Insect  | B.C. | Alta. | Sask. | Man. | Ont. | Que. | N.B. | N.S. | P.E.I. | Nfld. |
|---|------|-------|-------|------|------|------|------|------|--------|-------|
| <u>Orgyia (prev. Notolophus)</u><br><u>antiqua (L.)</u><br>rusty tussock moth                 | #    | #     | #     | #    | #    | #    | x    | x    | x      |       |
| <u>O. (prev. Hemerocampa)</u><br><u>leucostigma (J.E. Smith)</u><br>white-marked tussock moth | #    |       | #     | x    | x    | #    | x    | #    | x      | x     |
| <u>Ormenis pruinosa (Say)</u><br>a fulgorid   |      |       |       |      | x    |      |      |      |        |       |
| <u>Orsodacne atra (Ahr.)</u><br>(a chrysomelid)   | x    |       |       |      |      |      |      |      |        |       |
| <u>O. atra childreni Kby.</u>   | x    |       |       |      |      |      |      |      |        |       |
| <u>Orthosia hibisci (Gn.)</u><br>a noctuid  |      | x     |       |      |      |      |      |      |        |       |
| <u>Paleacrita vernata (Peck)</u><br>spring cankerworm   |      |       | #     | x    | x    | x    | #    | #    |        | x     |
| <u>Pandemis canadana Kft.</u><br>a leaf roller  |      |       |       |      | #    |      | x    |      |        |       |
| <u>P. limitata (Rob.)</u><br>a three-lined leaf roller  |      |       |       |      | x    | x    |      |      | x      |       |
| <u>Parorgyia (prev. Olene)</u><br><u>vagans (B. &amp; McD.)</u><br>a tussock moth             | #    |       |       |      | #    |      |      |      | x      |       |
| <u>Peritrechus saskatchewanensis</u><br>Barb.<br>a lygaeid                                    |      |       | x     |      |      |      |      |      |        |       |
| <u>Peronea maximana Busck</u><br>an apple shoot moth  | x    |       |       |      |      |      |      |      |        |       |
| <u>Phenacoccus aceris (Sign.)</u><br>apple mealybug   | x    |       |       | x    |      |      | x    | x    | x      |       |

PESTS OF APPLE

| Insect   | B. C. | Alta. | Sask. | Man. | Ont. | Que. | N. B. | N. S. | P. E. I. | Nfld. |
|--|-------|-------|-------|------|------|------|-------|-------|----------|-------|
| <u>Phyllophaga tristis</u> (F.)<br>a June beetle   | x     |       |       |      |      |      |       |       |          |       |
| <u>Poecilopsis rachaelae</u> Hlst.<br>a geometrid  |       |       | x     |      |      |      |       |       |          |       |
| <u>Polyphylla perversa</u> Csy.<br>a white grub  | x     |       |       |      |      |      |       |       |          |       |
| <u>Psylla mali</u> (Schmdb.)<br>apple sucker   |       |       |       |      | x    | x    | x     |       |          |       |
| <u>Recurvaria nanella</u> (Hbn.)<br>lesser bud moth  | x     |       |       |      |      |      |       | x     |          |       |
| <u>Rhabdopterus picipes</u> (Oliv.)<br>cranberry rootworm  |       |       |       |      | x    |      |       |       |          |       |
| <u>Rhagoletis pomonella</u> (Walsh)<br>apple maggot  |       |       |       | #    | x    | x    | x     | x     | x        | x     |
| <u>Rhopalosiphum fitchii</u> complex<br>(= <u>R. prunifoliae</u> Fitch (in part))<br>apple grain aphid | #     |       |       |      | x    | x    | #     | x     |          | x     |
| <u>Rhynchaenus pallicornis</u> (Say)<br>apple flea weevil  |       |       |       |      | x    |      |       |       |          |       |
| <u>Saperda bipunctata</u> Hopping<br>an apple tree borer   |       |       |       | x    |      |      |       |       |          |       |
| <u>S. candida</u> F.<br>roundheaded apple tree borer   |       |       |       |      | x    | x    | x     | x     |          | x     |
| <u>Schizura concinna</u> (J. E. Smith)<br>red-humped caterpillar                                       | x     |       | x     | x    | x    | x    | x     | x     |          | x     |
| <u>S. unicornis</u> (J. E. Smith)<br>unicorn caterpillar   | x     |       |       |      | #    |      |       |       |          |       |
| <u>Scolytus rugulosus</u> (Ratz.)<br>shot-hole borer   |       |       |       |      | x    | #    | x     | x     |          |       |

PESTS OF APPLE

| Insect   | B.C. | Alta. | Sask. | Man. | Ont. | Que. | N.B. | N.S. | P.E.I. | Nfld. |
|--|------|-------|-------|------|------|------|------|------|--------|-------|
| <u>S. sulcatus</u> Lec.<br>larger shot-hole borer                                |      |       |       |      | x    | x    |      |      |        |       |
| <u>Spaelotis clandestina</u> (Harr.)<br>w-marked cutworm                         |      |       |       |      |      | x    |      |      |        |       |
| <u>Sphinx perelegans</u> Hy. Edw.<br>a sphingid                                  | x    |       |       |      |      |      |      |      |        |       |
| <u>Spilonota ocellana</u> (D. & S.)<br>eye-spotted bud moth                      | x    |       |       |      | x    | x    | x    | x    | x      | x     |
| <u>Stictocephala basalis</u> (Walk.)<br>a treehopper                             | x    |       |       |      |      |      |      |      | x      |       |
| <u>S. bubalus</u> (F.)<br>buffalo treehopper                                     | x    |       |       | #    | x    | x    | x    | x    | x      | x     |
| <u>Stictocephala</u> spp.<br>treehoppers   | x    |       |       |      |      | x    |      |      |        |       |
| <u>S. taurina</u> (Harris)<br>a treehopper                                       |      |       |       |      |      |      |      |      | x      |       |
| <u>Strymon melinus</u> (Hbn.)<br>cotton square borer, a gray<br>hairstreak       | x    |       |       |      |      |      |      |      |        |       |
| <u>Syneta albida</u> Lec.<br>a fruit tree leaf beetle                            | x    |       |       |      |      |      |      |      |        |       |
| <u>Tachypterus quadrigibbus</u> (Say) #<br>apple curculio                        |      |       | x     | #    | x    | x    |      |      |        |       |
| <u>Taedia</u> (prev. <u>Palacalocoris</u> )<br><u>colon</u> (Say)<br>a plant bug |      |       |       |      | x    |      |      |      |        |       |
| <u>Thamnosphecia scitula</u> (Harr.)<br>dogwood borer                            |      |       |       |      | x    |      |      |      |        |       |
| <u>Tischeria malifoliella</u> Clem.<br>apple leaf trumpet miner                  |      |       |       |      | x    | x    |      |      | #      |       |

## PESTS OF APPLE

PESTS OF APPLE

| Mite  | B.C. | Alta. | Sask. | Man. | Ont. | Que. | N.B. | N.S. | P.E.I. | Nfld. |
|---|------|-------|-------|------|------|------|------|------|--------|-------|
| <u>Metatetranychus ulmi</u> (Koch)<br>European red mite                                     | x    |       |       |      | x    | x    | x    | x    | x      | x     |
| <u>Tetranychus canadensis</u> (McG.)<br>four-spotted spider mite                            |      |       |       |      | x    | x    |      |      |        |       |
| <u>T. mcdanieli</u> McG.<br>a spider mite   | x    |       |       | x    |      |      |      |      |        |       |
| <u>T. pacificus</u> McG.<br>Pacific mite  | x    | #     | #     | x    | #    | #    | #    | #    |        |       |
| <u>T. telarius</u> (L.) (and/or<br><u>T. bimaculatus</u> Harvey)<br>two-spotted spider mite | x    | #     |       | #    | x    | x    | #    | x    | x      |       |
| <u>Tetranychus urticae</u> (Koch)<br>a spider mite  | x    |       |       |      |      |      |      |      |        |       |
| <u>Vasates schlectendali</u> (Nal.)<br>apple rust mite                                      | x    |       |       |      | x    |      |      | x    |        |       |

PESTS OF APRICOT

| Insect   | B.C. | Alta. | Sask. | Man. | Ont. | Que. | N. B. | N. S. | P. E. I. | Nfld. |
|--|------|-------|-------|------|------|------|-------|-------|----------|-------|
| <u>Acrosternum hilare</u> (Say)<br>green stink bug           |      |       |       |      | x    |      |       |       |          |       |
| <u>Anarsia lineatella</u> Zell.<br>peach twig borer          | x    |       |       |      |      | #    |       |       |          |       |
| <u>Anuraphis cardui</u> (L.)<br>thistle aphid                | x    |       |       |      |      | #    |       |       |          |       |
| <u>A. persicae-niger</u> (Smith)<br>black peach aphid        | #    |       |       |      | x    |      |       |       |          |       |
| <u>Archips argyrospilus</u> (Wlk.)<br>fruit tree leaf roller | x    | #     |       |      |      |      | #     |       |          |       |
| <u>A. rosaceanus</u> (Harr.)<br>oblique-banded leaf roller   | x    | #     | #     | #    | #    | #    | #     | #     | #        |       |
| <u>Argyrotaenia citrana</u> (Fern.)<br>orange tortrix        | x    |       |       |      |      |      |       |       |          |       |
| <u>A. quadrifasciana</u> (Fern.)<br>a four-lined leaf roller |      |       |       |      | x    |      |       |       | #        |       |
| <u>Aspidiots perniciosus</u> Comst.<br>San Jose scale        | x    |       |       |      | x    |      | #     |       | #        |       |
| <u>Carpocapsa pomonella</u> (L.)<br>codling moth             | x    |       |       |      | x    |      | #     | #     | #        | #     |
| <u>Conotrachelus nenuphar</u> (Hbst.)<br>plum curculio       | #    |       | #     | x    | x    | #    | #     | #     | #        |       |
| Cutworms, various species                                    | x    | #     | #     | #    | #    | #    | #     | #     | #        | x     |
| <u>Datana ministra</u> (Drury)<br>yellow-necked caterpillar  | x    |       |       | #    | #    | #    | #     | #     | #        |       |
| <u>Diplotaxis tenebrosa</u> Fall<br>a scarabaeid             | x    |       |       |      |      |      |       |       |          |       |
| <u>Euzophera semifuneralis</u> (Wlk.)<br>American plum borer |      |       |       |      | x    |      |       |       |          |       |

PESTS OF APRICOT

| Insect   | B. C. | Alta. | Sask. | Man. | Ont. | Que. | N. B. | N. S. | P. E. I. | Nfld. |
|--|-------|-------|-------|------|------|------|-------|-------|----------|-------|
| <u>Grapholita molesta</u> (Busck)<br>oriental fruit moth                               |       |       |       |      | x    |      |       |       |          |       |
| Grasshoppers, various species  | x     | #     | #     | #    | #    | #    | #     | #     | #        | x     |
| <u>Hyalopterus pruni</u> (Geof.)<br>(= <u>H. arundinis</u> (F.))<br>mealy plum aphid   | x     |       |       | #    | #    | #    |       |       |          |       |
| <u>Lecanium</u> spp.<br>soft scales  | x     |       |       |      |      |      |       |       |          |       |
| <u>Lepidosaphes ulmi</u> (L.)<br>oystershell scale                                     | x     | #     |       |      | #    | #    | #     | #     | #        |       |
| <u>Liocoris</u> (= <u>Lygus</u> ) <u>lineolaris</u><br>(Beauv.)<br>tarnished plant bug | x     | #     | #     | #    | x    | #    | #     | #     | #        | x     |
| <u>Macrodactylus subspinosus</u> (F.)<br>rose chafer                                   |       |       |       |      | x    | #    |       |       |          |       |
| <u>Myzus persicae</u> (Sulz.)<br>green peach aphid                                     | x     | #     |       | #    | #    | #    | #     | #     | #        | x     |
| <u>Phloeotribus liminaris</u> (Harr.)<br>peach bark beetle                             |       |       |       |      | x    |      |       |       |          |       |
| <u>Pulvinaria</u> spp.<br>soft scales  | x     |       |       |      |      |      |       |       |          |       |
| <u>Sanninoidea exitiosa</u> <u>exitiosa</u> (Say)<br>peach tree borer                  | x     |       |       |      | #    | x    | #     | #     |          |       |
| <u>Schizura concinna</u> (J. E. Smith)<br>red-humped caterpillar                       | x     |       |       | #    | #    | #    | #     | #     | #        |       |
| <u>Scolytus rugulosus</u> (Ratz.)<br>shot-hole borer                                   |       |       |       |      | x    | #    |       |       | #        |       |
| <u>Spilonota ocellana</u> (D. & S.)<br>eye-spotted bud moth                            | x     |       |       |      | #    | #    | #     | #     | #        | #     |

PESTS OF APRICOT

| Insect   | B.C. | Alta. | Sask. | Man. | Ont. | Que. | N.B. | N.S. | P.E.I. | Nfld. |
|--|------|-------|-------|------|------|------|------|------|--------|-------|
| <u>Stictocephala bubalus</u> (F.)<br>buffalo treehopper  | x    |       |       | #    |      | #    |      | #    |        |       |
| <u>Synanthedon pictipes</u> (G. & R.)<br>lesser peach tree borer                                     |      |       |       |      | x    |      |      |      |        |       |
| <u>Mite</u>  |      |       |       |      |      |      |      |      |        |       |
| <u>Bryobia arborea</u> M. and A.<br>( <u>B. praetiosa</u> of authors, in<br>part)<br>brown mite      | x    | #     | #     | #    | #    | #    | #    | #    |        |       |
| <u>Metatetranychus ulmi</u> (Koch)<br>European red mite  | #    |       |       |      | x    | #    | #    | #    | #      | #     |
| <u>Tetranychus telarius</u> (L.)<br>(and/or <u>T. bimaculatus</u> Harvey)<br>two-spotted spider mite | x    | #     |       | #    | x    | #    | #    | #    | #      | #     |

PESTS OF CHERRY (INCLUDING WILD CHERRY)

| Insect   | B. C. | Alta. | Sask. | Man. | Ont. | Que. | N. B. | N. S. | P. E. I. | Nfld. |
|--|-------|-------|-------|------|------|------|-------|-------|----------|-------|
| <u>Alsophila pometaria</u> (Harr.)<br>fall cankerworm            |       | #     | #     | x    | x    | #    | x     | #     | x        |       |
| <u>Anthonomus scutellaris</u> Lec.<br>plum gouger                |       |       |       | x    |      |      |       |       |          |       |
| <u>Anthophila pariana</u> (Clerck)<br>apple & thorn skeletonizer | x     |       |       |      | #    | #    | x     |       | #        |       |
| <u>Aphis cerasifoliae</u> Fitch<br>chokecherry aphid             | #     |       | #     |      |      | #    | #     |       |          |       |
| <u>Archips argyrosalis</u> (Wlk.)<br>fruit tree leaf roller      | x     | #     |       |      | #    | #    |       |       |          |       |
| <u>A. cerasivoranus</u> (Fitch)<br>ugly-nest caterpillar         | x     | #     | #     | #    | #    | #    | x     | x     | #        |       |
| <u>A. rosaceanus</u> (Harr.)<br>oblique-banded leaf roller       | x     | #     | #     | #    | #    | #    | #     | #     |          |       |
| <u>Aspidiota ostreaeformis</u> Curt.<br>European fruit scale     | x     |       |       |      | #    | #    |       |       |          | #     |
| <u>A. perniciosus</u> Comst.<br>San Jose scale                   | x     |       |       |      | x    | #    |       |       | #        |       |
| <u>Brachyrhinus ovatus</u> (L.)<br>strawberry root weevil        | x     | #     | #     | #    | #    | #    | #     | #     | #        |       |
| <u>Caliroa cerasi</u> (L.)<br>pear-slug                          | x     | #     |       | x    | x    |      | x     | x     | x        | x     |
| <u>Carpocapsa pomonella</u> (L.)<br>codling moth                 | x     |       |       |      | x    | #    | #     | #     | #        |       |
| Cicadas, various species   | x     |       |       |      | #    | #    | #     | #     | #        |       |
| <u>Coleophora pruniella</u> Clem.<br>cherry casebearer           | x     |       |       | #    | #    | #    |       |       | #        |       |
| <u>Conotrachelus nenuphar</u> (Hbst.)<br>plum curculio           | #     |       | #     | #    | x    | #    | x     | x     | x        |       |

PESTS OF CHERRY (INCLUDING WILD CHERRY)

| Insect   | B.C. | Alta. | Sask. | Man. | Ont. | Que. | N.B. | N.S. | P.E.I. | Nfld. |
|--|------|-------|-------|------|------|------|------|------|--------|-------|
| <u>Contarinia virginianae</u> Felt<br>a chokecherry midge                                |      | x     | x     | x    | #    | #    |      |      |        |       |
| <u>Corythucha padi</u> Drake<br>a chokecherry lace bug                                   | x    |       |       |      |      |      |      |      |        |       |
| <u>C. pallipes</u> Parsh.<br>a birch lace bug  |      |       | x     |      |      | #    | #    |      |        |       |
| <u>C. pergandei</u> Heid.<br>a lace bug  |      |       | x     |      |      |      |      |      |        |       |
| Cutworms, various species  | x    | #     | #     | #    | #    | #    | #    | #    | #      | x     |
| <u>Datana ministra</u> (Drury)<br>yellow-necked caterpillar                              | x    |       |       |      | #    | #    | x    | x    | x      |       |
| <u>Edwardsiana</u> (prev. <u>Typhlocyba</u> )<br><u>prunicola</u> (Edw.)<br>a leafhopper |      |       |       |      | x    |      |      |      |        |       |
| <u>E. rosae</u> (L.)<br>rose leafhopper  | x    |       |       |      | x    |      | #    | #    | #      |       |
| <u>Empoasca maligna</u> (Walsh)<br>apple leafhopper                                      | x    |       |       | #    | #    |      | #    | #    |        | x     |
| <u>Epicnaptera americana</u> Harr.<br>a lasiocampid                                      |      |       |       | x    | #    | #    |      |      |        |       |
| <u>Estigmene acrea</u> (Drury)<br>salt-marsh caterpillar                                 |      | #     | x     | #    | #    | #    | #    | #    | #      |       |
| <u>Erythroneura</u> spp.<br>leafhoppers  | x    |       |       |      |      |      |      |      |        |       |
| <u>Forficula auricularia</u> L.<br>European earwig                                       | x    | #     |       | #    | #    | #    |      |      | #      |       |
| <u>Frankliniella tritici</u> (Fitch)<br>flower thrips                                    |      | #     | #     | #    | x    |      |      |      |        | x     |

PESTS OF CHERRY (INCLUDING WILD CHERRY)

| Insect  | B.C. | Alta. | Sask. | Man. | Ont. | Que. | N.B. | N.S. | P.E.I. | Nfld. |
|---|------|-------|-------|------|------|------|------|------|--------|-------|
| <u>Grapholitha molesta</u> (Busck)<br>(oriental fruit moth)   |      |       |       |      | x    |      |      |      |        |       |
| <u>G. packardi</u> (Zell.)<br>cherry fruitworm                | x    |       |       |      | x    |      |      |      |        |       |
| <u>G. prunivora</u> (Walsh)<br>lesser appleworm               | #    |       |       | #    | x    | #    | #    | #    | #      |       |
| Grasshoppers, various species                                 | x    | #     | #     | #    | #    | #    | #    | #    | #      | #     |
| <u>Haploa lecontei</u> (Guer.)                                |      |       |       | x    |      |      |      |      |        |       |
| <u>Hyphantria cunea</u> (Drury)<br>fall webworm               | x    | #     | x     | x    | #    | #    | #    | x    | x      |       |
| Leafrollers, various species                                  |      |       |       |      | x    |      |      |      |        | x     |
| <u>Lecanium</u> sp.<br>a soft scale                           | x    |       |       |      |      |      |      |      |        |       |
| <u>Lepidosaphes ulmi</u> (L.)<br>oystershell scale            | x    | #     |       |      | #    | #    | x    | #    | x      |       |
| <u>Malacosoma americanum</u> (F.)<br>eastern tent caterpillar | #    | x     | x     | x    | #    | #    | x    | x    | x      |       |
| <u>M. disstria</u> Hbn.<br>forest tent caterpillar            | x    | #     | x     | x    | #    | #    | x    | x    | x      |       |
| <u>M. lutescens</u> (N. & D.)<br>prairie tent caterpillar     |      | x     | x     | x    |      |      |      |      |        |       |
| <u>M. pluviale</u> (Dyar)<br>western tent caterpillar         | x    | x     | x     | #    | #    | #    |      |      |        |       |
| <u>Malacosoma</u> spp.<br>tent caterpillars                   | x    |       |       |      | x    |      |      |      |        |       |
| <u>Myzus cerasi</u> (F.)<br>black cherry aphid                | x    |       | #     |      | x    | #    |      | x    |        |       |

## PESTS OF CHERRY (INCLUDING WILD CHERRY)

PESTS OF CHERRY (INCLUDING WILD CHERRY)

| Insect   | B. C. | Alta. | Sask. | Man. | Ont. | Que. | N. B. | N. S. | P. E. I. | Nfld. |
|--|-------|-------|-------|------|------|------|-------|-------|----------|-------|
| <u>Taeniothrips inconsequens</u> (Uzel)<br>pear thrips                                       | x     |       |       |      | #    |      |       | #     |          |       |
| <u>Typhlocyba pomaria</u> McA.<br>white apple leafhopper                                     | x     |       |       |      | #    | #    |       | #     | #        |       |
| <u>Xyleborus</u> (prev. <u>Anisandrus</u> )<br><u>pyri</u> (Peck)<br>a shot-hole borer       | x     |       |       |      | #    | #    |       | #     |          |       |
| <u>Mite</u>  |       |       |       |      |      |      |       |       |          |       |
| <u>Bryobia arborea</u> M. and A.<br>( <u>B. praetiosa</u> of authors, in part)<br>brown mite | x     | #     | #     | #    | #    | #    | #     | x     |          |       |
| <u>Diptacus gigantorhynchus</u> (Nal.)<br>a big-beaked plum mite                             | x     |       |       |      |      |      |       |       |          |       |
| Eriophyids<br>rust mites   | x     |       |       |      |      |      |       |       |          |       |
| <u>Metatetranychus ulmi</u> (Koch)<br>(European red mite)                                    | x     |       |       |      | x    | #    | #     | x     | x        |       |
| <u>Tetranychus pacificus</u> McG.<br>Pacific mite  | x     | #     | #     | #    | #    | #    | #     |       |          |       |
| <u>T. telarius</u> (L.) (and/or <u>T. bimaculatus</u> Harvey)<br>two-spotted spider mite     | x     | #     | x     | #    | #    | #    | #     | #     | x        |       |

PESTS OF PEACH

| Insect  | B. C. | Alta. | Sask. | Man. | Ont. | Que. | N. B. | N. S. | P. E. I. | Nfld. |
|---|-------|-------|-------|------|------|------|-------|-------|----------|-------|
| <u>Acrosternum hilare</u> (Say)<br>green stink bug              |       |       |       |      | x    |      |       |       |          |       |
| <u>Anarsia lineatella</u> Zell.<br>peach twig borer             | x     |       |       |      | x    |      |       |       |          |       |
| <u>Anuraphis persicae-niger</u> (Smith)<br>black peach aphid    | x     |       |       |      | x    |      |       |       |          |       |
| <u>Archips rosaceanus</u> (Harr.)<br>oblique-banded leaf roller | x     | #     | #     | #    | #    | #    | #     | #     | #        |       |
| <u>Argyrotaenia citrana</u> (Fern.)<br>orange tortrix           | x°    |       |       |      |      |      |       |       |          |       |
| <u>A. quadrifasciana</u> (Fern.)<br>a four-lined leaf roller    |       |       |       |      | x    |      |       |       | #        |       |
| <u>A. velutinana</u> (Wlk.)<br>red-banded leaf roller           |       |       |       |      | x    | #    |       |       | #        |       |
| <u>Aspidiota perniciosus</u> Comst.<br>San Jose scale           | #     |       |       |      | x    | #    |       |       | #        |       |
| <u>Carpocapsa pomonella</u> (L.)<br>codling moth                | x     |       |       |      | #    | #    | #     | #     | #        | #     |
| <u>Cercopaeus artemisiae</u> Pierce<br>a weevil                 | x     |       |       |      |      |      |       |       |          |       |
| <u>Conotrachelus nenuphar</u> (Hbst.)<br>plum curculio          | #     |       | #     | #    | x    | #    | #     |       | x        |       |
| Cutworms, various species                                       | x     | #     | #     | #    | #    | #    | #     | #     | #        | x     |
| <u>Cyphoderris monstrosa</u> Uhl.<br>a cricket                  | x     |       |       |      |      |      |       |       |          |       |

° Vancouver Island only.

PESTS OF PEACH

| Insect  | B.C.            | Alta. | Sask. | Man. | Ont. | Que. | N.B. | N.S. | P.E.I. | Nfld. |
|---|-----------------|-------|-------|------|------|------|------|------|--------|-------|
| <u>Euzophera semifuneralis</u> (Wlk.)<br>American plum borer                        |                 |       |       |      | x    |      |      |      |        |       |
| <u>Forficula auricularia</u> L.<br>European earwig                                  | x               | #     |       | #    | #    | #    |      | #    |        | x     |
| <u>Grapholitha molesta</u> (Busck)<br>oriental fruit moth                           |                 |       |       |      | x    |      |      |      |        |       |
| Grasshoppers, various species   | x               | #     | #     | #    | #    | #    | #    | #    | #      | x     |
| <u>Hyphantria cunea</u> (Drury)<br>fall webworm                                     | x               | #     | #     | #    | #    | #    | #    | x    | #      |       |
| <u>Lecanium corni</u> Bouché<br>European fruit lecanium                             | x <sup>oo</sup> |       |       | #    | x    | #    | #    | x    |        |       |
| <u>L. coryli</u> L.<br>a soft scale   | x <sup>oo</sup> |       |       |      |      |      |      |      |        |       |
| <u>Lecanium</u> spp.<br>soft scales   | x               |       |       |      |      |      |      |      | #      |       |
| <u>Lepidosaphes ulmi</u> (L.)<br>oystershell scale                                  | x               | #     |       |      | #    | #    | #    | #    | #      |       |
| <u>Liocoris</u> (= <u>Lygus</u> ) <u>lineolaris</u> (Beauv.)<br>tarnished plant bug | x               | #     | #     | #    | x    | #    | #    | x    | #      | x     |
| <u>Liocoris</u> spp.<br>plant bugs  | x               | #     | #     | #    | x    | #    | #    | #    | #      | x     |
| <u>Lygus</u> ( <u>Neolygus</u> ) <u>caryae</u> Kngt.<br>hickory plant bug           |                 |       |       |      | x    |      |      |      |        |       |
| <u>L. (N.) omnivagus</u> Kngt.<br>an oak plant bug                                  |                 |       |       |      | x    |      |      |      |        |       |

<sup>oo</sup> Coastal area only.

PESTS OF PEACH

| Insect  | B. C. | Alta. | Sask. | Man. | Ont. | Que. | N. B. | N. S. | P. E. I. | Nfld. |
|---|-------|-------|-------|------|------|------|-------|-------|----------|-------|
| <u>L. (N.) quercalbae</u> Kngt.<br>an oak plant bug   |       |       |       |      | x    |      |       |       |          |       |
| <u>Macrodactylus subspinosus</u> (F.)<br>rose chafer  |       |       |       |      | x    | #    |       |       |          |       |
| <u>Macropsis trimaculata</u> (Fitch)<br>plum leafhopper                                     |       |       |       |      | x    |      |       |       |          |       |
| <u>Malacosoma americanum</u> (F.)<br>eastern tent caterpillar                               | #     | #     | #     | #    | #    | #    | #     | x     | #        |       |
| <u>M. disstria</u> Hbn.<br>forest tent caterpillar  | x     | #     | #     | #    | #    | #    | #     | x     | #        |       |
| <u>Mimetus lanei</u> Van Dyke<br>a weevil   | x     |       |       |      |      |      |       |       |          |       |
| <u>Myzus persicae</u> (Sulz.)<br>green peach aphid  | x     | #     |       | #    | x    | #    | #     | #     | #        | x     |
| <u>Oecanthus nigricornis nigricornis</u><br>Wlk.<br>black-horned tree cricket               | #     |       |       | #    | x    | #    |       |       |          |       |
| <u>O. niveus</u> (DeG.)<br>snowy tree cricket   | #     | #     | #     | #    | x    |      |       |       |          |       |
| <u>Panscopus aequalis</u> (Horn)<br>a weevil  | x     |       |       |      |      |      |       |       |          |       |
| <u>Phloeotribus liminaris</u> (Harr.)<br>peach bark beetle                                  |       |       |       |      | x    |      |       |       |          |       |
| <u>Polyphylla perversa</u> Csy.<br>a white grub   | x     |       |       |      |      |      |       |       |          |       |
| <u>Pulvinaria</u> sp.<br>soft scale   | x     |       |       |      |      |      |       |       |          |       |
| <u>P. innumerabilis</u> (Rathv.)<br>(= <u>P. vitis</u> (L.) in part)<br>cottony maple scale | #     | #     |       |      | x    | #    |       | #     |          | #     |

## PESTS OF PEACH

PESTS OF PEACH

| Mites   | B. C. | Alta. | Sask. | Man. | Ont. | Que. | N. B. | N. S. | P. E. I. | Nfld. |
|---|-------|-------|-------|------|------|------|-------|-------|----------|-------|
| <u>T. telarius</u> (L.) (and/or<br><u>T. bimaculatus</u> Harvey)<br>two-spotted spider mite | x     | #     |       | #    | x    | #    | #     | #     | #        |       |
| <u>Vasates cornutus</u> (Banks)<br>peach silver mite  | x     |       |       |      | x    |      |       |       |          |       |

PESTS OF PEAR

| Inset  | B.C. | Alta. | Sask. | Man. | Ont. | Que. | N.B. | N.S. | P.E.I. | Nfld. |
|--|------|-------|-------|------|------|------|------|------|--------|-------|
| <u>Acrosternum hilare</u> (Say)<br>green stink bug                 |      |       |       |      | x    |      |      |      |        |       |
| <u>Anthophila pariana</u> (Clerck)<br>apple and thorn skeletonixer | #    |       |       |      | #    | #    | #    | x    |        |       |
| <u>Aphis pomi</u> DeG.<br>apple aphid                              | x    |       |       | #    | #    | #    | #    | #    | x      |       |
| <u>Archips argyrospilus</u> (Wlk.)<br>fruit tree leaf roller       | x    | #     |       |      | x    | #    |      | x    |        |       |
| <u>A. rosaceanus</u> (Harr.)<br>oblique-banded leaf roller         | x    | #     | #     | #    | x    | #    | #    | #    |        |       |
| <u>Argyrotaenia mariana</u> (Fern.)<br>gray-banded leaf roller     |      |       |       |      | #    | #    |      | x    | x      |       |
| <u>Aspidiota ostreaeformis</u> Curt.<br>European fruit scale       | #    |       |       |      | #    | #    |      | x    |        | #     |
| <u>A. perniciosus</u> Comst.<br>San Jose scale                     | x    |       |       |      | x    | #    |      | #    |        |       |
| <u>Caliroa cerasi</u> (L.)<br>pear-slug                            | x    | #     |       |      | x    |      | #    | x    | x      | x     |
| <u>Carpocapsa pomonella</u> (L.)<br>codling moth                   | x    |       |       |      | x    | #    | #    | x    |        | x     |
| <u>Chionaspis furfura</u> (Fitch)<br>scurfy scale                  | #    |       |       |      | x    | #    |      |      | #      |       |
| <u>Coleophora pruniella</u> Clem.<br>cherry casebearer             | x    |       |       |      | #    | #    | #    |      | #      |       |
| <u>Conotrachelus nenuphar</u> (Hbst.)<br>plum curculio             | #    |       |       | #    | #    | x    | #    | #    | #      |       |
| Cutworms, various species  | x    | #     | #     | #    | #    | #    | #    | #    | #      | x     |
| <u>Datana ministra</u> (Drury)<br>yellow-necked caterpillar        | x    |       |       | #    | #    | #    | #    | x    |        | x     |

PESTS OF PEAR

| Insect   | B.C.            | Alta. | Sask. | Man. | Ont. | Que. | N.B. | N.S. | P.E.I. | Nfld. |
|--|-----------------|-------|-------|------|------|------|------|------|--------|-------|
| <u>Eriosoma lanigerum</u> (Hausm.)<br>wolly apple aphid                                | x               | #     |       |      | #    | #    | #    | #    | x      | .     |
| <u>E. pyricola</u> Baker<br>wolly pear aphid   | x               |       |       |      |      |      |      |      |        |       |
| <u>Forficula auricularia</u> L.<br>European earwig                                     | x               | #     |       |      | #    | #    | #    |      | #      | x     |
| <u>Grapholitha molesta</u> (Busck)<br>oriental fruit moth                              |                 |       |       |      | x    |      |      |      |        |       |
| Grasshoppers, various species  | x               | #     | #     | #    | #    | #    | #    | #    | #      | #     |
| <u>Hyphantria cunea</u> (Drury)<br>fall webworm  | #               | #     |       |      | #    | #    | #    | x    |        |       |
| <u>Lecanium corni</u> Bouché<br>European fruit lecanium                                | x <sup>oo</sup> |       |       | #    | #    | #    | #    | x    |        |       |
| <u>L. coryli</u> L.<br>a soft scale  | x <sup>oo</sup> |       |       |      |      |      |      |      |        |       |
| <u>Lecanium</u> spp.<br>soft scales  | x               |       |       |      |      |      |      |      |        |       |
| <u>Lepidosaphes ulmi</u> (L.)<br>oystershell scale                                     | x               | #     |       |      | #    | #    | #    | x    | x      |       |
| <u>Liocoris</u> (= <u>Lygus</u> ) <u>lineolaris</u><br>(Beauv.)<br>tarnished plant bug | x               | #     | #     | #    | x    | #    | #    | #    | x      | x     |
| <u>Liocoris</u> spp.<br>plant bugs   | #               | #     | #     | #    | #    | #    | #    | #    | #      | x     |

<sup>oo</sup> Coastal area only.

PESTS OF PEAR

| Insect   | B.C. | Alta. | Sask. | Man. | Ont. | Que. | N.B. | N.S. | P.E.I. | Nfld. |
|--|------|-------|-------|------|------|------|------|------|--------|-------|
| <u>Lithophane</u> (prev. <u>Graptolitha</u> )<br><u>antennata</u> (Wlk.)<br>green fruitworm            | x    |       |       |      | x    | #    | #    | #    | #      |       |
| <u>L. bethunei</u> (G. & R.)<br>a fruitworm  |      |       |       |      | #    | #    | #    | x    |        |       |
| <u>Lygus</u> ( <u>Neolygus</u> ) <u>communis</u><br><u>novascotiensis</u> Kngt.<br>a green apple bug   |      |       |       |      | #    |      | #    | x    |        |       |
| <u>Malacosoma disstria</u> Hbn.<br>forest tent caterpillar   | x    | #     | #     | #    | #    | #    | #    | x    | x      |       |
| <u>M. pluviale</u> (Dyar)<br>western tent caterpillar  | x    | #     |       | #    | #    | #    |      |      |        |       |
| <u>Orgyia</u> (prev. <u>Notolophus</u> )<br><u>antiqua</u> (L.)<br>rusty tussock moth                  | #    | #     | #     | #    | #    | #    | #    | x    | x      | x     |
| <u>O.</u> (prev. <u>Hemerocampa</u> )<br><u>leucostigma</u> (J. E. Smith)<br>white-marked tussock moth | #    |       | #     | #    | #    | #    | #    | x    | x      | x     |
| <u>Phenacoccus aceris</u> (Sign.)<br>apple mealybug  | x    |       |       |      |      |      | #    | #    |        |       |
| <u>Polyphylla perversa</u> Csy.<br>a white grub  | x    |       |       |      |      |      |      |      |        |       |
| <u>Pristiphora californica</u> (Marl.)<br>California pear-slug   | x    |       |       |      |      |      |      |      |        |       |
| <u>Psylla pyricola</u> Foerst.<br>pear psylla  | x    |       |       |      | x    |      |      |      | x      |       |
| <u>Pulvinaria</u> sp.<br>a soft scale  | x    |       |       |      |      |      |      |      |        |       |
| <u>Schizura concinna</u> (J. E. Smith)<br>red-humped caterpillar                                       | x    |       | #     | #    | #    | #    | #    | x    | x      |       |

## PESTS OF PEAR

PESTS OF PEAR

| Mite   | B.C. | Alta. | Sask. | Man. | Ont. | Que. | N.B. | N.S. | P.E.I. | Nfld. |
|--|------|-------|-------|------|------|------|------|------|--------|-------|
| <u>T. telarius</u> (L.) (and/or<br><u>T. bimaculatus</u> Harvey) | x    | #     |       | #    | x    | #    | #    | #    | x      |       |
| <u>Vasates schlentendali</u> (Nal.)<br>apple rust mite           | x    |       |       |      |      |      |      | #    |        |       |

## PESTS OF PLUM

PESTS OF PLUM

| Insect  | B.C.            | Alta. | Sask. | Man. | Ont. | Que. | N.B. | N.S. | P.E.I. | Nfld. |
|---|-----------------|-------|-------|------|------|------|------|------|--------|-------|
| <u>Datana ministra</u> (Drury)<br>yellow-necked caterpillar                       | x               |       |       |      | #    | #    | #    | #    | x      | x     |
| <u>Edwardsiana rosae</u> (L.)<br>rose leafhopper                                  | x               |       |       |      |      | #    | #    | #    | #      |       |
| <u>Empoasca fabae</u> (Harr.)<br>potato leafhopper                                | #               | #     | #     | #    | x    | #    | #    | #    | #      | x     |
| <u>Epicauta fabricii</u> (Lec.)<br>ash-gray blister beetle                        | #               | #     | #     | x    | #    |      |      |      |        |       |
| <u>Euzophera semifuneralis</u> (Wlk.)<br>American plum borer                      |                 |       |       |      |      | x    |      |      |        |       |
| <u>Frankliniella tritici</u> (Fitch)<br>flower thrips                             |                 |       |       |      | x    |      |      |      |        |       |
| <u>Galerucella decora</u> (Say)<br>western willow leaf beetle                     | #               | #     | x     | #    | #    |      |      |      |        |       |
| <u>Grapholitha prunivora</u> (Walsh)<br>lesser appleworm                          | x               |       |       |      | #    | #    | #    | #    | #      |       |
| Grasshoppers, various species   | x               | #     | #     | #    | #    | #    | #    | #    | #      | x     |
| <u>Hyalopterus pruni</u> (Geof.) (= <u>H. arundinis</u> (F.))<br>mealy plum aphid | x               |       |       | x    | x    | #    |      | x    |        |       |
| <u>Hyphantria cunea</u> (Drury)<br>fall webworm                                   | #               | #     | x     |      | x    | #    | #    | #    | #      |       |
| <u>Hysteronoeura setariae</u> (Thos.)<br>rusty plum aphid                         |                 |       |       | x    |      |      |      |      |        |       |
| <u>Lecanium corni</u> Bouché<br>European fruit lecanium                           | x <sup>ee</sup> |       |       | #    | x    | #    | #    | x    |        |       |

“ Coastal area only.

## PESTS OF PLUM

| Insect   | B. C. | Alta. | Sask. | Man. | Ont. | Que. | N. B. | N. S. | P. E. I. | Nfld. |
|--|-------|-------|-------|------|------|------|-------|-------|----------|-------|
| <u>L. coryli</u> L.<br>a soft scale  | x     |       |       |      |      |      |       |       |          |       |
| <u>Lecanium</u> spp.<br>soft scales  | x     |       |       | #    |      |      |       | #     |          |       |
| <u>Lepidosaphes ulmi</u> (L.)<br>oystershell scale   | x     | #     |       |      | x    | #    | x     | x     |          | x     |
| <u>Limonius discoideus</u> Lec.<br>a wireworm  | x     |       |       |      |      |      |       |       |          |       |
| <u>Lithophane</u> (prev. <u>Graptolitha</u> )<br><u>antennata</u> (Wlk.)<br>green fruitworm                | #     |       |       |      | x    | #    | #     | #     |          |       |
| <u>Macropsis trimaculata</u> (Fitch)<br>plum leafhopper  |       |       |       |      | x    |      |       |       | x        |       |
| <u>Malacosoma americanum</u> (F.)<br>eastern tent caterpillar  | #     | #     | #     | #    | #    | #    | #     | x     |          | x     |
| <u>M. disstria</u> Hbn.<br>forest tent caterpillar   | x     | x     | x     | x    | #    | #    | #     | x     |          | x     |
| <u>M. lutescens</u> (N. & D.)<br>prairie tent caterpillar  |       | x     | x     | #    |      |      |       |       |          |       |
| <u>Malacosoma</u> spp.<br>tent caterpillars  | x     | #     | #     | #    | x    | #    | #     | #     | #        | #     |
| <u>Myzus persicae</u> (Sulz.)<br>green peach aphid   | #     | #     |       |      | #    | #    | #     | #     | #        | x     |
| <u>Orgyia</u> (prev. <u>Hemerocampa</u> )<br><u>leucostigma</u> (J. E. Smith)<br>white-marked tussock moth | #     |       | #     | x    | #    | #    | #     | #     | #        | #     |
| <u>Paleacrita vernata</u> (Peck)<br>spring cankerworm  |       |       | #     | #    | x    | #    | #     | #     |          |       |
| <u>Phenacoccus aceris</u> (Sign.)<br>apple mealybug  | x     |       |       |      |      |      | #     | x     |          |       |

PESTS OF PLUM

| Insect   | B.C. | Alta. | Sask. | Man. | Ont. | Que. | N.B. | N.S. | P.E.I. | Nfld. |
|--|------|-------|-------|------|------|------|------|------|--------|-------|
| <u>Phorodon bumuli</u> (Schr.)<br>hop aphid  | x    |       |       |      | #    | #    | #    | x    |        |       |
| <u>Polyphylla perversa</u> Csy.<br>a white grub  | x    |       |       |      |      |      |      |      |        |       |
| <u>Pseudococcus comstocki</u> (Kuw.)<br>Comstock mealybug                              |      |       |       |      | x    |      |      |      |        |       |
| <u>Pulvinaria</u> sp.<br>a soft scale  | x    |       |       |      |      |      |      |      |        |       |
| <u>Sanninoidea exitiosa exitiosa</u> (Say)<br>peach tree borer                         | x    |       |       | #    | x    | #    | #    |      |        |       |
| <u>Schizura concinna</u> (J. E. Smith)<br>red-humped caterpillar                       | x    |       | x     | #    | #    | #    | #    | x    | x      |       |
| <u>Scolytus rugulosus</u> (Ratz.)<br>shot-hole borer                                   |      |       |       |      | x    | #    |      | x    |        |       |
| <u>Spilonota ocellana</u> (D. & S.)<br>eye-spotted bud moth                            | x    |       |       |      | x    | #    | #    | x    | x      |       |
| <u>Stictocephala bubalus</u> (F.)<br>buffalo treehopper                                | x    |       |       | #    | x    | #    |      | x    |        |       |
| <u>Swammerdamia caesiella</u> Hbn.<br>(a yponomeutid)                                  |      |       |       |      | x    |      |      |      |        |       |
| <u>Synanthedon pictipes</u> (G. & R.)<br>lesser peach tree borer                       |      |       |       |      | x    |      |      |      |        |       |
| <u>Taeniothrips inconsequens</u> (Uzel)<br>pear thrips                                 | x    |       |       |      |      |      |      |      |        |       |
| <u>Typhlocyba pomaria</u> McA.<br>white apple leafhopper                               | x    |       |       |      |      | #    |      | #    |        |       |
| <u>Xyleborus</u> (prev. <u>Anisandrus</u> )<br><u>pyri</u> (Peck)<br>a shot-hole borer | x    |       |       |      |      | #    | #    |      | #      |       |

PESTS OF PLUM

| Mite   | B. C. | Alta. | Sask. | Man. | Ont. | Que. | N. B. | N. S. | P. E. I. | Nfld. |
|--|-------|-------|-------|------|------|------|-------|-------|----------|-------|
| <u>Bryobia arborea</u> M. and A.<br>( <u>B. praetiosa</u> of authors, in part)<br>brown mite | x     | #     | #     | #    | #    | #    | #     | x     |          |       |
| <u>Diptacus gigantorhynchus</u> (Nal.)<br>a big-beaked plum mite                             | x     |       |       |      | x    |      |       |       |          |       |
| Eriophyids<br>rust mites   | x     |       |       |      |      |      |       |       |          |       |
| <u>Metatetranychus ulmi</u> (Koch)<br>European red mite                                      | x     |       |       |      | x    | #    | #     | x     | x        |       |
| <u>Phyllocoptes abaenus</u> Koch<br>a rust mite  | x     |       |       |      |      |      |       |       |          |       |
| <u>Tetranychus pacificus</u> McG.<br>Pacific mite  | x     | #     | #     | #    | #    | #    | #     | #     | #        |       |
| <u>T. telarius</u> (L.) (and/or <u>T. bimaculatus</u> Harvey)<br>two-spotted spider mite     | x     | x     |       | #    | #    | #    | #     | #     | x        |       |
| <u>T. urticae</u> (Koch)<br>a spider mite  | x     |       |       |      |      |      |       |       |          |       |
| <u>Vasates fockeui</u> (Nal. & Trt.)<br>a rust mite  | x     |       |       |      | x    |      |       |       |          |       |
| <u>V. schlectendali</u> (Nal.)<br>apple rust mite  | x     |       |       |      |      |      |       | #     |          |       |

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